

Applicants : Michael Röhr, Udo Gersemsky, Wolfgang Krebs,  
Anton Münzebrock, Rüdiger Ostholt, Giuliano Persico,  
Erik Appel, Oliver Ullrich, Burkhard Hasenack,  
Holger Freitag and Jürgen Heun  
For : SUSPENDED CONTROL DEVICE  
Page : 5

The listing of the claims will replace all prior versions and listings of claims in the application:

**LISTING OF CLAIMS:**

Please amend claims 1-27.

1. (Currently Amended) ~~Suspended~~A suspension for a suspended control device ~~(20)~~, which is suspended via a control line ~~(1)~~ from a unit ~~(21)~~ being controlled, especially a control switch or suspended pushbutton switch for controlling of a hoisting machine, wherein the suspension height of the suspended control device is adjustable in relation to the unit being controlled, said suspension comprising:

~~wherein the~~a control line ~~(1)~~ comprises comprising electrical lines ~~(2)~~ for transmission of control signals and a traction relief ~~(22)~~, which is supported at the top on the unit ~~(21)~~ in order to absorb gravity and traction forces,

~~characterized in that~~

a storage for the electrical lines ~~(2)~~ in order to take up and pay out a predetermined line length for adjusting the suspension height of the suspended control device, wherein said storage is located behind ~~the~~a support of ~~the~~said traction relief, ~~looking as viewed~~ from the suspended control device ~~(20)~~ toward the unit ~~(21)~~ being controlled.

2. (Currently Amended) ~~Suspended~~The suspension for a suspended control device ~~(20)~~ per Claim 1, ~~characterized in that the~~ wherein said traction relief ~~(22)~~ is formed from a flat foldable hose ~~(6)~~ in the manner of a textile hose and ~~the~~said electrical lines ~~(2)~~ run through the inside of ~~the~~said hose and ~~the~~said hose ~~(6)~~ can be folded and stored along with ~~the~~said electrical lines ~~(2)~~ in ~~the~~said storage.

Applicants : Michael Röhr, Udo Gersemsky, Wolfgang Krebs,  
Anton Münzebrock, Rüdiger Ostholt, Giuliano Persico,  
Erik Appel, Oliver Ullrich, Burkhard Hasenack,  
Holger Freitag and Jürgen Heun  
For : SUSPENDED CONTROL DEVICE  
Page : 6

3. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20)-per  
~~Claim 2, characterized in that the~~wherein said hose (6)-is filled with an elastic material in  
~~the~~operator gripping region-(11)-of the operator.

4. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20)-per  
~~Claim 3, characterized in that the~~wherein said elastic material forms a lengthwise slit hollow  
~~cylinder (12), through whose~~defining a cavity thefor routing of said electrical lines-(2)-travel.

5. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20)-per  
~~Claim 1, characterized in that the~~wherein said hose (6)-is led through a hollow cylinder (12)  
made from an elastic material in ~~the~~operator gripping region-(11)-of the operator.

6. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20)-per  
~~one of Claims 3-5~~Claim 3, characterized in that ~~the~~wherein said elastic material is formed  
from a foam plastic.

7. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20)-per  
~~one of Claims 2-6~~Claim 2, characterized in that ~~the~~including a support device supporting of  
~~the~~said hose (6)-on the unit (21)-is ~~done by a support device (7), which~~being controlled,  
wherein said support device uniformly distributes the gravity and traction forces about the  
periphery of ~~the~~said hose.

8. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20)-per  
~~Claim 7, characterized in that the~~wherein said support device (7)-is formed from a truncated  
cone (8)-arranged inside ~~the~~said hose (6)-with a continuous opening (16)-for ~~the~~said electrical  
lines (2)-and a funnel (9)-arranged outside ~~the~~said hose (6)-and supported on the unit  
(21),being controlled, said funnel corresponding to the shape of the truncated cone, wherein

Applicants : Michael Röhr, Udo Gersemsky, Wolfgang Krebs,  
Anton Münzebrock, Rüdiger Ostholt, Giuliano Persico,  
Erik Appel, Oliver Ullrich, Burkhard Hasenack,  
Holger Freitag and Jürgen Heun  
For : SUSPENDED CONTROL DEVICE  
Page : 7

the truncated cone (8) is pulled by the gravity and traction forces into ~~the~~the said funnel (9) and thus axially secures the hose (6) on the unit (21).

9. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20) per Claim 8, ~~characterized in that~~wherein at least one part of ~~the~~the said funnel (9) is part of the unit (21) being controlled.

10. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20) per Claim 8 or 9, ~~characterized in that the~~wherein said truncated cone (8) and ~~the~~the said funnel (9) are each lengthwise divided and formed from two mating halves.

11. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20) per ~~one of Claims 7-10~~Claim 7, ~~characterized in that the~~wherein said support device (7) has an element (40) by which ~~the~~the said truncated cone (8) can be pushed upward from the outside in order to release the axial fixation of the hose (6), for which ~~the~~the said element (40) is provided with inwardly directed lugs (15), engaging with ~~the~~the said truncated cone (8).

12. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20) per Claim 11, ~~characterized in that the~~wherein said movable element (40) is guided lengthwise through ~~the~~the said funnel (9).

13. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20) per ~~one of Claims 8-10~~Claim 8, ~~characterized in that the~~wherein downward displacement of ~~the~~the said truncated cone (8) is limited by ~~the~~the said funnel (9) and the upward displacement of said truncated cone is limited by a lug (15) on the said funnel (9).

Applicants : Michael Röhr, Udo Gersemsky, Wolfgang Krebs,  
Anton Münzebrock, Rüdiger Ostholt, Giuliano Persico,  
Erik Appel, Oliver Ullrich, Burkhard Hasenack,  
Holger Freitag and Jürgen Heun  
For : SUSPENDED CONTROL DEVICE  
Page : 8

14. (Currently Amended) ~~Suspended~~ A suspension for a suspended control device (20),  
~~suspended via a control line (24) from a unit (21) being controlled, especially a control switch~~  
~~or suspended pushbutton switch for controlling of~~ a hoisting machine, comprising:

~~wherein the~~ a control line (24) comprises comprising electrical lines (2) for  
transmission of control signals and a traction relief (22), which is supported on top at the unit  
(21) being controlled in order to absorb gravity and traction forces,

~~characterized in that~~

a storage for the electrical lines (2) in order to take up and pay out a predetermined  
line length is, said storage being located between the suspended control device (20) and the  
unit (21), being formed in that the being controlled, wherein said cablelike traction relief (22)  
and the said electrical lines (2) are led down from the unit (21) being controlled, back up again  
at least at one lower turnaround point (22a) and once again down via a turnaround element  
(22b) to the suspended control device (20) and connected to it the suspended control device,  
and

~~the~~ wherein said cablelike traction relief (22) and the said electrical lines (2) are  
clamped together at the said lower turnaround point (22b) by means of a detachable clamp  
(23).

15. (Currently Amended) ~~Suspended~~ The suspension for a suspended control device (20) per  
Claim 14, characterized in that the wherein said cablelike traction relief (22) and the said  
electrical lines (2) are formed as a common flat cable, in which the said cablelike traction  
reliefs (22) relief is in the form of steel ropes travel at both sides.

16. (Currently Amended) ~~Suspended~~ The suspension for a suspended control device (20) per  
~~one of Claims 14-15~~ Claim 14, characterized in that including a deflection roller (26) operating  
under gravity that is fashioned at the said lower turnaround point (22a) and the said turnaround  
element (22b) is likewise a deflection roller (26).

Applicants : Michael Röhr, Udo Gersemsky, Wolfgang Krebs,  
Anton Münzebrock, Rüdiger Ostholt, Giuliano Persico,  
Erik Appel, Oliver Ullrich, Burkhard Hasenack,  
Holger Freitag and Jürgen Heun  
For : SUSPENDED CONTROL DEVICE  
Page : 9

17. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20) per Claim 16, ~~characterized in that~~wherein the end of said flat cable end connected to the suspended control device (20) can be clamped to ~~the~~a weight element (25) producing the gravity.

18. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20) per Claim 17, ~~characterized in that the~~wherein said flat cable end is led through a continuous opening (16) provided in the~~said~~weight element (25) and can be fixed in its~~said continuous opening.~~

19. (Currently Amended) ~~Suspended~~A suspension for a suspended control device (20), suspended via a control line (24) from a unit (21) being controlled, ~~especially a control switch or suspended pushbutton switch for controlling of a hoisting machine, comprising:~~  
~~wherein the~~a control line (24) comprises~~comprising~~ electrical lines (2) for transmission of control signals and a traction relief (22), which is supported on top at the unit (21) being controlled in order to absorb gravity and traction forces,  
~~characterized in that~~  
~~the~~wherein said cablelike traction relief (22) and the~~said~~electrical lines (2) are fashioned as a common cable, which is detachably fastened to a support element (28) arranged at the unit (21) ~~in that the~~wherein said support element (28) has two neighboring continuous openings (16) with a land element between them, around which the~~said~~cable travelingrouted through the~~said~~two continuous openings (16) is led for self-clamping fixation.

20. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20) per Claim 19, ~~characterized in that the~~wherein said support element (28) is platelike.

Applicants : Michael Röhr, Udo Gersensky, Wolfgang Krebs,  
Anton Münzebrock, Rüdiger Ostholt, Giuliano Persico,  
Erik Appel, Oliver Ullrich, Burkhard Hasenack,  
Holger Freitag and Jürgen Heun  
For : SUSPENDED CONTROL DEVICE  
Page : 10

21. (Currently Amended) ~~Suspended~~A suspension for a suspended control device (20),  
~~suspended via a control line (24) from a unit (21) being controlled, especially a control switch~~  
~~or suspended pushbutton switch for controlling of~~ a hoisting machine, comprising:

~~wherein the~~a control line (24) comprises~~comprising~~ electrical lines (2) for  
transmission of control signals and a traction relief (22), which is supported on top at the unit  
(21) being controlled in order to absorb gravity and traction forces,

~~characterized in that~~

a storage for the~~said~~ electrical lines (2) for taking up and paying out a predetermined  
line length, wherein said storage is located between the suspended control device (20) and the  
unit (21) being controlled, said storage formed in that the~~said~~ electrical lines (2) are led~~routed~~  
on the inside of an essentially vertical tube (29), fastened to the unit (21), having being  
controlled and a telescopic extending inner tube (30), to which the suspended control device  
(20) is fastened, and the two flexible tubes (29, 30) are~~said vertical tube and said inner tube~~  
being formed from plastic.

22. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20) per  
Claim 21, characterized in that the~~wherein said~~ electrical lines (2) have a spiral shape.

23. (Currently Amended) ~~Suspended~~The suspension for a suspended control device (20) per  
~~one of Claims 21-22~~Claim 21, characterized in that the~~wherein one of said inner tube (30) and~~  
said vertical tube is provided with undercuts (31), which can be engaged by hook elements  
(32) which can pivot and are arranged on the outside of the tube (29) other of said inner tube  
and said vertical tube for axial fixation, or conversely the hook elements (32) are arranged on  
the inner tube (30) and the undercuts (31) on the tube (29).

Applicants : Michael Röhr, Udo Gersemsky, Wolfgang Krebs,  
Anton Münzebrock, Rüdiger Ostholt, Giuliano Persico,  
Erik Appel, Oliver Ullrich, Burkhard Hasenack,  
Holger Freitag and Jürgen Heun  
For : SUSPENDED CONTROL DEVICE  
Page : 11

24. (Currently Amended) ~~Suspended~~The suspension for a suspension control device (20)-per  
~~one of Claims 21-23~~Claim 21, characterized in that ~~the~~wherein said traction relief (22) is  
formed by a steel rope.

25. (Currently Amended) ~~Suspended~~The suspension for a suspension control device (20)-per  
~~one of Claims 21-24~~Claim 21, characterized in that ~~the~~wherein said electrical lines (2) are  
wound about a carrier element (33) in the manner of a winding frame.

26. (Currently Amended) ~~Suspended~~A suspension for a suspension control device (20),  
~~suspended via a control line (24) from a unit (21) being controlled, especially a control switch~~  
~~or suspended pushbutton switch for controlling of~~ a hoisting machine, comprising:

~~wherein the~~ a control line (24) comprises~~comprising~~ electrical lines (2) for  
transmission of control signals and a traction relief (22), which is supported on top at the unit  
(21) ~~being controlled~~ in order to absorb gravity and traction forces,

~~characterized in that~~

~~the~~wherein said cable~~like~~ traction relief (22) and ~~the~~said electrical lines (2) are  
fashioned as a common flat cable,

a storage for ~~the~~said cable to take up and pay out a predetermined line length, ~~wherein~~  
said storage is located between the suspended control device (20) and the unit (21), ~~formed in~~  
~~that the~~ being controlled, wherein said cable is wound about a carrier element (33) in the  
manner of a winding frame.

27. (Currently Amended) ~~Suspended~~The suspension for a suspension control device (20)-per  
Claim 20, characterized in that ~~the~~wherein said carrier element (33) is formed as a cable  
clamp (34) in the manner of a film joint.